



VIDEOLARM for Panasonic

Before attempting to connect or operate this product, please read these instructions completely.

PRODUCT INSTRUCTIONS

MODEL: Miniature Camera

PCF2, PCV2, PCF6, PCV6,

PCF6W, PCV6W

DESCRIPTION: Dome Housing, Color Camera - PCF2, PCV2
Pendant Mount Dome Housing, Color Camera - PCF6, PCV6
Wall Mount Dome Housing, Color Camera - PCF6W, PCV6W

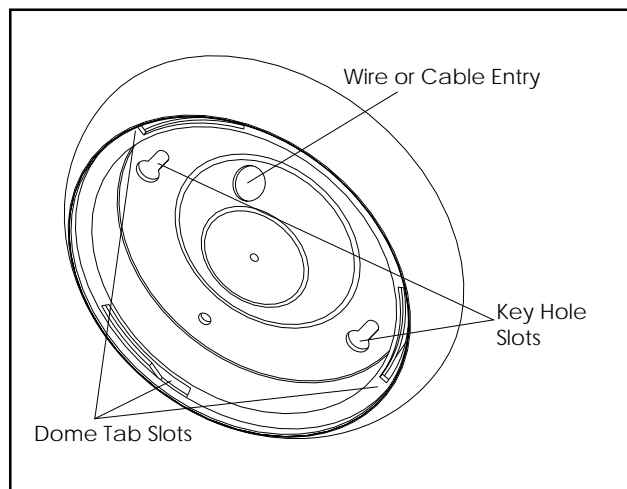
STANDARD INSTALLATION PROCEDURE

CONTENTS INCLUDE:

- (1) Dome base
- (1) Dome
- (1) Dome liner
- (1) Camera swivel plate
- (1) Camera mount with camera, lens, and PC Board
- (1) Camera adjustment arm
- (1) Camera adjustment template
- (2) 4-40 x 1/4" screws
- (1) 8-32 x 3/8" screw

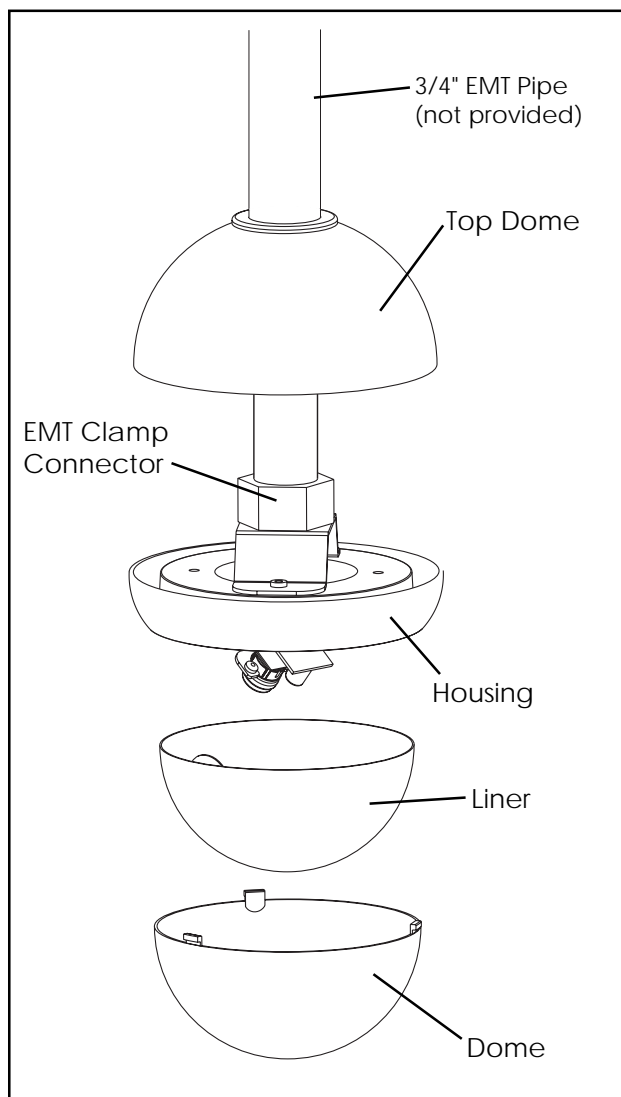
INSTALLATION

1. Locate the area on the ceiling or wall where the housing is to be mounted. Cut a hole no larger than 2 1/4" in diameter and feed the necessary wires/cable through the hole.
2. Remove the dome and liner by turning the dome counter-clockwise and gently pulling down.
3. Place the dome base against the ceiling/wall, with the cutout in the center, and mark the keyhole slots. Insert a screw on each mark and tighten down 3/4 of the length of the screw.
4. Feed the wires/cable through the hole in the dome base.
5. Place the keyhole slots in the base over the screws and slide forward so that the screws hold the base to the surface. Tighten the screws.



ATTACHING HOUSING (PCF6/PCV6 PENDANT MOUNT)

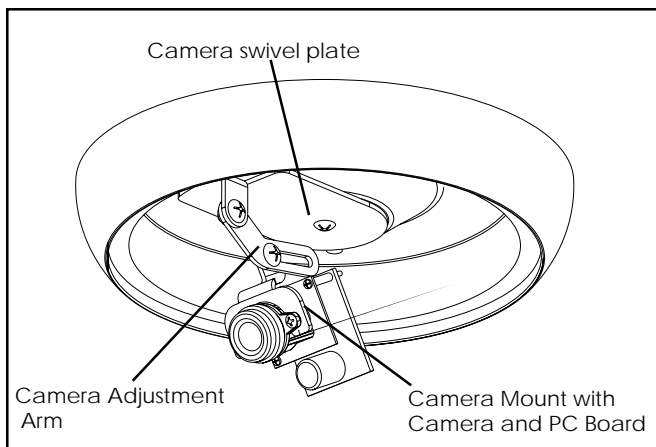
1. Install 3/4" EMT pipe (not provided) to the desired length.
2. Slide the top dome 10" to 12" onto the pipe, leaving enough room to work. Run the wiring through the EMT connector and wiring hole inside the top of the housing.
3. Slide complete unit onto the pipe. Tighten the set screw when in place.
4. Once the housing is secured to the pipe, slide the top dome down onto the top of the housing.



NOTE: Once the housing has been attached to the desired location, connect the power and video wires as required.

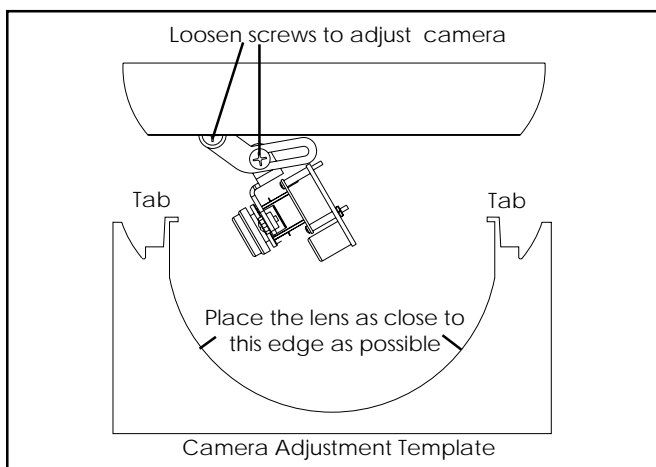


Connect Class 2 power supply only!

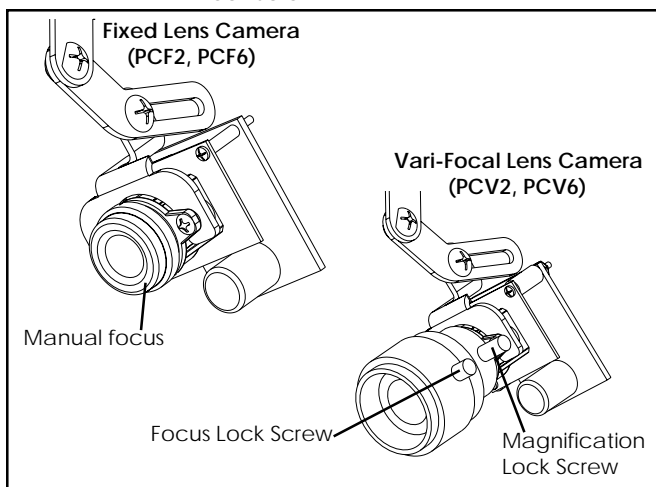


CAMERA ADJUSTMENT

1. Clip the tabs of the template onto the swivel plate so that the template is attached to the swivel plate.
2. Loosen the two 4-40 Phillips head screws, adjust the camera to the desired position, and tighten the screws.
Note: Adjust camera lens as close as possible to the outline of the bottom of the template.

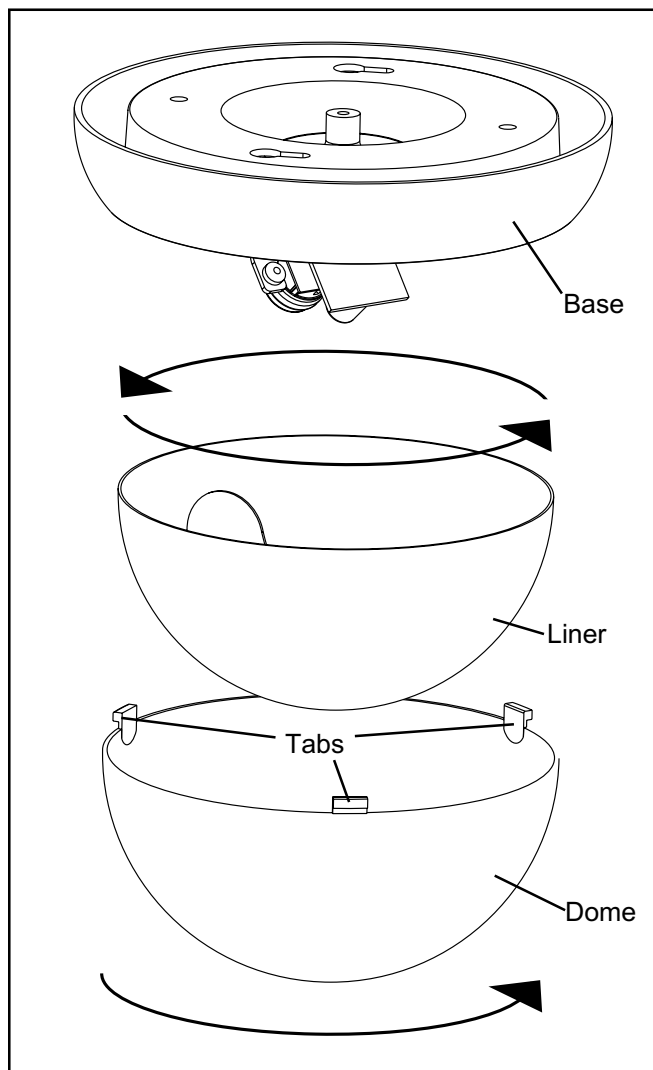


3. Fine focusing (see diagram below):
Fixed Lens: Manually rotate the lens until a clear picture is achieved.
Vari-Focal Lens: First, adjust the Magnification Lock Screw to the desired magnification (telephoto to wide angle). Tighten the Lock Screw. Next, adjust the Focus Lock Screw until a clear picture is achieved. Tighten the Lock Screw.

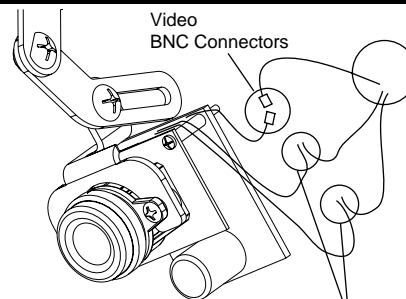


DOMES REPLACEMENT

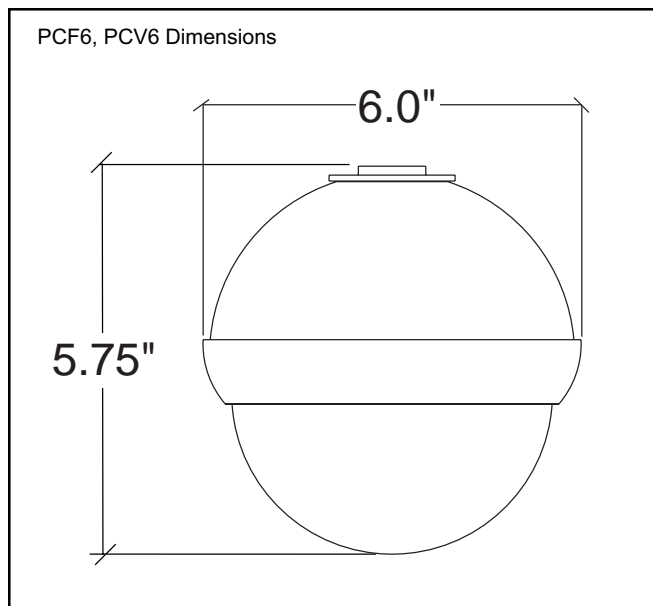
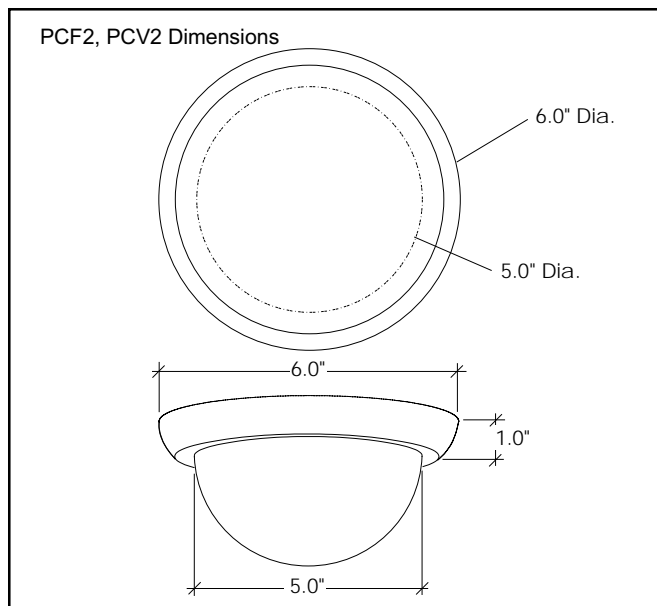
1. Rotate the liner inside the dome, so that when the dome is secured to the base, the camera lens is in the center of the viewing slot of the liner.
NOTE: It may be helpful to install the dome without the liner the first time. This way you can visually determine which direction the lens is pointing and adjust the liner opening accordingly.
2. Align and insert the three tabs of the dome with the three tab slots on the dome base. Rotate the dome clockwise until the dome locks into place.



Connections



Power Connections
NOTE: Splice wiring according to standard electrical guidelines. Positive and Negative connections are interchangeable with this PC Board.



Specification															
Lens Type	3 - 8mm Fixed Focal Lens Series								4 - 8mm Vari- Focal Lens Series						
Model Number	PCF1	PCF2	PCF3	PCF4	PCF5	PCF6	PCF6W	PCV1	PCV2	PCV3	PCV4	PCV5	PCV6	PCV6W	
Scanning Area	361 mm (H) x 272 mm (V) (Equivalent to scanning area of 1/4" pick-up tube)														
Scanning	525 lines / 60 fields / 30 frames														
Horizontal	15.734 kHz														
Vertical	59.94 kHz														
Synchronization	Internal Synchronization														
Video Output	1.0 V (p-p) NTSC Composite 75 ohms / BNC Connector														
Horizontal Resolution	330 lines (at center area)														
Signal-to-Noise Ratio	46 dB (with AGC OFF)														
Minimum Illumination	0.5 Footcandle (5 Lux) at F2.0								0.5 Footcandle (5 Lux) at F2.0 - 1.0 Footcandle (10 Lux) at F2.8						
Angular Field of View	Horizontal 53.4° Vertical 40.0°								Horizontal 51.7 - 26.7° Vertical 38.4 - 20.0°						
Horizontal															
Vertical															
AGC	On (Preset)														
ELC	On (Preset)														
White Balance	ATW (Preset)														
Ambient Operating Temperature	-10°C - +50°C (14°F - 122°F)														
Ambient Operating Humidity	Less than 90%														
Power Source at AC Source at DC Source	24 VAC, 40 ma 12 VDC, 80 ma														
Dimensions	W	2.82"	6.0"	3.15"	5.25"	15.9"	6.0"	6.0"	2.82"	6.0"	3.15"	5.25"	15.9"	6.0"	6.0"
	H	4.6"	6.0"	4.9"	3.0"	11.2"	6.0"	10.8"	4.6"	6.0"	4.9"	3.0"	11.2"	6.0"	10.8"
	D	2.82"	6.0"	3.2"	3.625"	15.9"	6.0"	7.0"	2.82"	6.0"	3.2"	3.625"	15.9"	6.0"	7.0"
Weight	kg	0.68	0.45	0.45	0.45	1.8	0.68	0.91	0.68	0.45	0.45	0.45	1.8	0.68	0.91
	lbs	1.5	1	1	1	4	1.5	2	1.5	1	1	1	4	1.5	2

CAUTION: To prevent fire or shock hazard, the UL-Listed wire VW-1, style 1007, should be used for the cable for 24 VAC input terminals.

Wiring Chart-Cable Distance

This Chart is based on a 12VDC power supply with the maximum Amp draw at .500 amps.

WIRE	20	18	16
FT.	180'	300'	480'

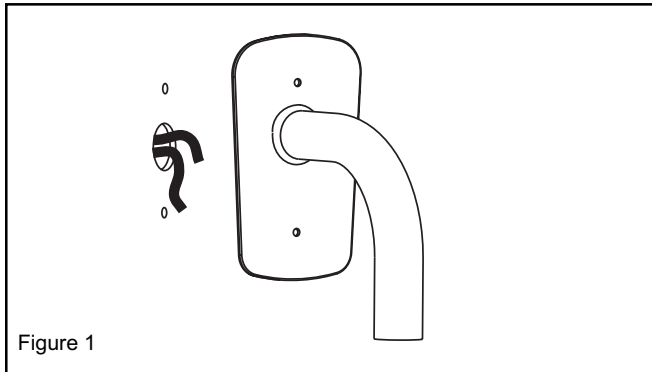
STANDARD INSTALLATION PROCEDURE, MV6W

CONTENTS INCLUDE:

- (1) Wall mount Bracket
- (1) Dome base
- (1) Dome
- (1) Dome liner
- (1) Camera swivel plate
- (1) Camera mount with camera, lens, and PC Board
- (1) Camera adjustment arm
- (1) Camera adjustment template
- (2) 4-40 x 1/4" screws
- (1) 8-32 x 3/8" screw

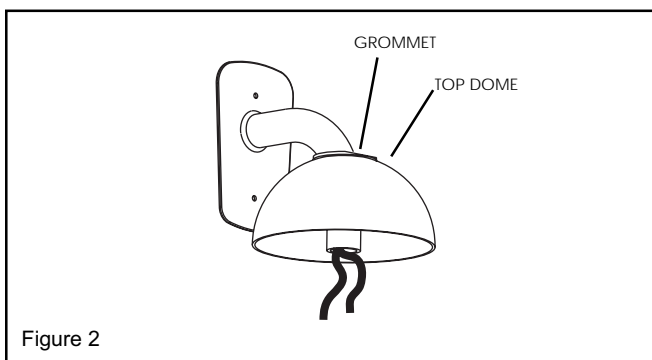
INSTALLATION

1. Locate the area on the wall where the bracket is to be mounted. Cut a hole no larger than 1" in diameter and feed the necessary wires/cable through (Figure 1).
2. Feed wires/cable through the hole in the back side of the bracket and out through end of the pipe.
3. Attach the bracket to the wall with fasteners that best fit the application.

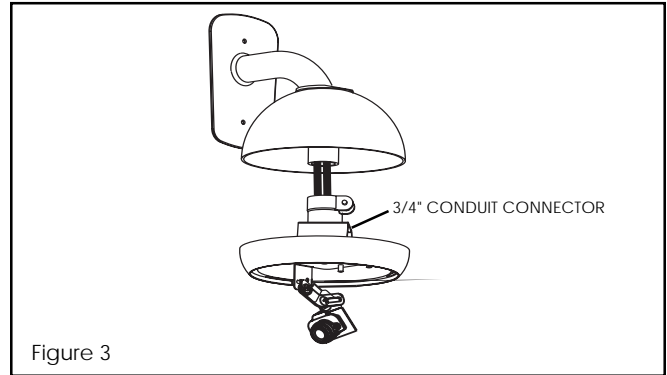


HOUSING INSTALLATION

1. Once the bracket is secure, feed all wires/cable through the top dome. Slide the top dome onto the bottom of the bracket; the grommet should be secure around the bracket pipe (Figure 2).

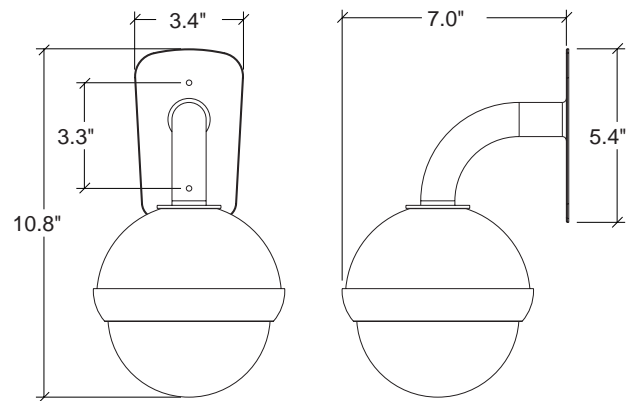


2. Once the top dome has been placed on the bracket, feed all wires/cable through the 3/4" conduit connector and camera housing.
 3. Slide the housing onto the bracket, then tighten down the screw on the 3/4" conduit connector (Figure 3).
- Note:** The connector will need to be tightened completely down to secure the housing to bracket.
4. Once the housing has been secured to the bracket, slide the top dome back down along the bracket until it fits on top of the housing. The grommet will keep the top dome in place.



Make necessary camera adjustments and complete the installation process as specified elsewhere in these instructions.

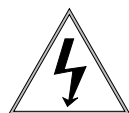
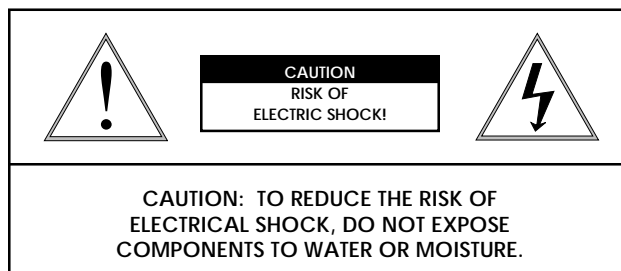
PCF6W, PCV6W Dimensions



IMPORTANT SAFEGUARDS

1. **Read Instructions** - All the safety and operating instructions should be read before the unit is operated.
2. **Retain Instructions** - The safety and operating instructions should be retained for future reference.
3. **Heed Warnings** - All warnings on the unit and in the operating instructions should be adhered to.
4. **Follow Instructions** - All operating and user instructions should be followed.
5. **Electrical Connections** - Only a qualified electrician should make electrical connections.
6. **Attachments** - Do not use attachments not recommended by the product manufacturer as they may cause hazards.
7. **Cable Runs** - All cable runs must be within permissible distance.
8. **Mounting** - This unit must be properly and securely mounted to a supporting structure capable of sustaining the weight of the unit. Accordingly:
 - a. The installation should be made by a qualified service person, and should conform to all local codes.
 - b. Care should be exercised to select suitable hardware to install the unit, taking into account both the composition of the mounting surface and the weight of the unit. Be sure to periodically examine the unit and the supporting structure to make sure that the integrity of the installation is intact. Failure to comply with the foregoing could result in the unit separating from the support structure and falling, with resultant damages or injury to anyone or anything struck by the falling unit.

SAFETY PRECAUTIONS



The lightning flash with an arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of non-insulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

UNPACKING

Unpack carefully. Electronic components can be damaged if improperly handled or dropped. If an item appears to have been damaged in shipment, replace it properly in its carton and notify the shipper.

Be sure to save:

1. The shipping carton and packaging material. They are the safest material in which to make future shipments of the equipment.
2. These Installation and Operating Instructions.

SERVICE

For service on Panasonic/Videolarm equipment contact:

Panasonic Technical Center
54 West Gude Dr.
Rockville MD 20850-1150

Phone: 301-762-5125

Fax: 301-251-0347

PANASONIC TECHNICAL SUPPORT

1-800-528-6747

9:00 AM - 5:00 PM EASTERN TIME